

 AIR RESOURCES BOARD	DEERE POWER SYSTEMS GROUP OF DEERE & COMPANY	EXECUTIVE ORDER U-R-004-0129 New Off-Road Compression-Ignition Engines
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Pursuant to the authority vested in the Air Resources Board by Sections 43013, 43018, 43101, 43102, 43104 and 43105 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: That the following compression-ignition engine and emission control system produced by the manufacturer are certified as described below for use in off-road equipment. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	DISPLACEMENT (liters)	FUEL TYPE	USEFUL LIFE (hours)
2002	2JDXL06.8047	6.8, 4.5	Diesel	8000
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION	
Direct Diesel Injection, Turbocharger, Smoke Puff Limiter			Loader, Tractor, Industrial Equipment	

The engine models and codes are attached.

The following are the exhaust certification standards (STD) and certification levels (CERT) for hydrocarbon (HC), oxides of nitrogen (NOx), or non-methane hydrocarbon plus oxides of nitrogen (NMHC+NOx), carbon monoxide (CO), and particulate matter (PM) in grams per kilowatt-hour (g/kw-hr), and the opacity-of-smoke certification standards and certification levels in percent (%) during acceleration (Accel), lugging (Lug), and the peak value from either mode (Peak) for this engine family (Title 13, California Code of Regulations, (13 CCR) Section 2423):

RATED POWER CLASS	EMISSION STANDARD CATEGORY		EXHAUST (g/kw-hr)					OPACITY (%)		
			HC	NOx	NMHC+NOx	CO	PM	ACCEL	LUG	PEAK
75≤ KW <130	Tier 1	STD	N/A	9.2	N/A	N/A	N/A	20	15	50
		FEL	-	-	-	-	0.28	-	-	-
		CERT	-	7.3	-	-	0.28	8	7	18

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the information and materials to demonstrate certification compliance with 13 CCR Section 2424 (emission control labels), and 13 CCR Sections 2425 and 2426 (emission control system warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

This Executive Order is only granted to the engine family and model-year listed above. Engines in this family that are produced for any other model-year are not covered by this Executive Order.

Executed at El Monte, California on this 13TH day of May 2002.



Allen Lyons, Chief
New Vehicle/Engine Programs Branch

Engine Model Summary Form

Manufacturer: Deere Power Systems Group of Deere and

Engine category: Nonroad CI

EPA Engine Family: 2JDXL06.8047

Mfr Family Name: 350TE

Process Code: New Submission

EO# 4-R-004-0129

ATTACHMENT 1 of 1

1. Engine Code	2. Engine Model	3. BHP @ RPM (SAE Gross)	4. Fuel Rate: mm/stroke @ peak HP (for diesel only)	5. Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	6. Torque @ RPM (SEA Gross)	7. Fuel Rate: mm/stroke @ peak torque	8. Fuel Rate: (lbs/hr) @ peak torque	9. Emission Control Device Per SAE J1930
* 6068TF250A	6068T	145.194.45@2400	90.00@2400	70.55@2400	506.64@1400	101.0@1400	48.06@1400	EM TC SAE
4045TF250A	4045T	124.72@2400	87.00@2400	44.09@2400	328.17@1400	101.0@1400	31.08@1400	EM TC
6068TRW50	6068T	118.01@2100	60.00@2100	41.89@2100	384.22@1300	73.0@1300	33.07@1300	EM TC
6068TDW54	6068T	126.06@2200	62.00@2200	44.09@2200	399.71@1200	60.0@1200	33.95@1200	EM TC
6068TT052	6068T	110.47.51@2100	76.00@2100	52.91@2100	441.00@1300	30.0@1300	38.58@1300	EM TC
6068TRW53	6068T	118.01@2100	60.00@2100	41.89@2100	384.22@1300	76.0@1300	33.07@1300	EM TC
4045TF150C	4045T	75.100.58@1800	88.00@1800	33.07@1800	449.12@1400	90.0@1400	42.11@1400	EM TC
6068TDW50	6068T	142.15@2200	69.00@2200	48.50@2200	387.91@1200	76.0@1200	30.42@1200	EM TC
6068TT055	6068T	123.37@2200	61.00@2200	44.09@2200				EM TC

* ENGINE MODEL USED FOR EMISSION DATA ENGINE ONLY.

NOT INCLUDED IN LIST OF CERTIFIED MODELS FOR THIS FAMILY.